

Textiles and Apparel

Course Description: *Textiles and Apparel* is a specialized course designed to build foundational skills in the selection, production, and alteration of textile and apparel products. Areas of study include social, psychological and physiological influences; fibers and fabrics; textile design and production influences; manufacturing systems; and career options and preparation. Instruction includes academic integration and technology applications.

Family, Career and Community Leaders of America (FCCLA), the co-curricular student organization, provides students with opportunities for leadership development, personal growth and school/community involvement.

Recommended Prerequisite(s): Family & Consumer Sciences (FACS) or Personal, Academic and Career Excellence (PACE), and Fashion Design and Merchandising

Recommended Credit(s): 1/2 - 1

Recommended Grade Level(s): 10-11-12

Note: Standards 1-6 = 1/2 credit
Standards 1-7 = 1 credit

Textiles and Apparel

Course Standards

Standard 1.0 Demonstrate leadership, citizenship, and teamwork skills required for success in the family, workplace and global community.

Standard 2.0 Evaluate textiles and apparel products in terms of social, psychological and physiological influences.

Standard 3.0 Analyze influences on textile design and production.

Standard 4.0 Apply knowledge of fibers and fabrics when evaluating textile products.

Standard 5.0 Examine the textile and apparel manufacturing systems.

Standard 6.0 Analyze career options within the textiles and apparel industries.

Standard 7.0 Demonstrate skills needed to design, produce, alter or repair textile and apparel products.

Textiles and Apparel Course Standards and Expectations

Standard 1.0 Demonstrate leadership, citizenship, and teamwork skills required for success in the family, workplace and global community.

Expectations and Performance Indicators:

- 1.1 Participate in the co-curricular student organization Family, Career and Community Leaders of America (FCCLA).
- 1.2 Assess factors involved in successful leadership skills, citizenship traits and teamwork traits.
- 1.3 Apply leadership, citizenship and teamwork skills as an integral part of classroom activities.

Standard 2.0 Evaluate textiles and apparel products in terms of social, psychological and physiological influences.

Expectations and Performance Indicators:

- 2.1 Analyze the significance of apparel and fashion.
- 2.2 Examine the impact of fashion trends and forecasting on textile and apparel products.
- 2.3 Examine garment styles and features.
- 2.4 Analyze the impact of technology on textiles and apparel design, production, merchandising and sales.

Standard 3.0 Analyze influences on textile design and production.

Expectations and Performance Indicators:

- 3.1 Summarize the history of textile design and production.
- 3.2 Analyze the impact of technology on fiber production and textile design and manufacturing.
- 3.3 Review textile legislation, standards, and labeling in the global economy.
- 3.4 Determine the applications of textile products beyond those related to the consumer apparel industry.

Standard 4.0 Apply knowledge of fibers and fabrics when evaluating textile products.

Expectations and Performance Indicators:

- 4.1 Analyze characteristics of natural and manufactured fibers
- 4.2 Compare methods and characteristics of textile fabrications.
- 4.3 Compare processes for dyeing, printing and finishing used in the textile industry.
- 4.4 Determine textile suitability for specific applications and uses.
- 4.5 Assess the effects of various environmental conditions on textiles.
- 4.6 Illustrate various types of fibers, yarns and fabrics.

Standard 5.0 Examine the textile and apparel manufacturing systems.**Expectations and Performance Indicators:**

- 5.1 Summarize all aspects of the textile and apparel industries.
- 5.2 Identify the processes for apparel product completion.
- 5.3 Describe mass production techniques.
- 5.4 Describe industry standards for quality control.
- 5.5 Determine ethical practices within the textile and apparel industries.

Standard 6.0 Analyze career options within the textiles and apparel industries.**Expectations and Performance Indicators:**

- 6.1 Research employment and entrepreneurial opportunities and preparation for textile and apparel careers.
- 6.2 Demonstrate foundational knowledge and skills for selected careers in the textile and apparel industries.
- 6.3 Identify opportunities to broaden and enhance job preparation skills.

Standard 7.0 Demonstrate skills needed to design, produce, alter or repair textile and apparel products.**Expectations and Performance Indicators:**

- 7.1 Practice safety in the use of equipment, tools and supplies.
- 7.2 Acquire one hundred percent mastery of safety standards necessary to ensure a safe environment for laboratory experiences.
- 7.3 Demonstrate selection, use and maintenance of laboratory equipment, tools and supplies.
- 7.4 Assess the cost of constructing, altering or repairing textile and apparel products.
- 7.5 Apply color theory and design principles in selection and use of fabric, texture, line, pattern and color when producing textile and apparel products.
- 7.6 Determine technology applications useful in the apparel design process.
- 7.7 (Produce) Construct a textile or apparel product.